LOCK OUT

winter's cold and summer's heat

Save fuel dollars with

ARMSTRONG'S TEMLOK INSULATION

Copyright, 1935
Armstrong Cork Products Company
Lancaster, Pennsylvania

AVERY LIBRARY
COLUMBIA UNIVERSITY

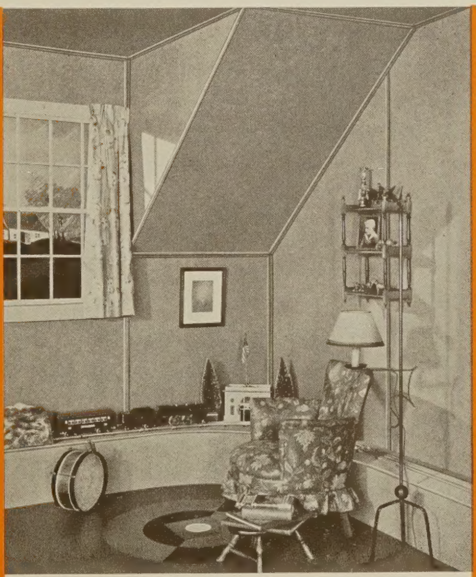
ARMSTRONG'S TEMLOK INSULATION

brings greater comfort and economy to new homes and old!

WOULD you like to cut your fuel bills? Would you like to have your children healthier, with fewer colds? Would you like to keep your whole house more comfortable all year round?

You can accomplish all these results—at an economical cost—by insulating with Armstrong's Temlok. When you use this efficient fibreboard insulation in your new home, or in remodeling your present house, you secure greater comfort and economy immediately, and your investment in Temlok will continue to pay you dividends in the years to come.

Here's what happens in the home that isn't insulated. In the winter, heat leaks out through the roof and walls. A heat-leaking house requires a larger furnace, the furnace requires more fuel and attention. The heat-leaking house is uncomfortable in the summer, too, for the same uninsulated walls and roof that allow your furnace-made heat to escape outdoors during the winter, permit the sun-made heat of summer to pass into the house. That means uncomfortably hot rooms, particularly in the upper part of the house.



Unused attic space can be transformed into attractive playrooms with Armstrong's Temlok. Because it insulates, as well as decorates, heating costs are cut.

Ordinary building materials conduct heat rapidly. Temlok Insulation is an efficient nonconductor—it resists the passage of heat. Reductions in fuel in Temlok-insulated residences, as compared with uninsulated homes, average at least twenty-five per cent. In one sense, you get fuel free one winter out of every four when you live in a Temlok-insulated house.

It is expected that within the next few years air conditioning plants for homes will be available at a cost to match the purse of the average home builder. By insulating with Temlok now, you will be ready to take full advantage of this forthcoming development in home heating and cooling.

And if you ever want to sell, you can get a higher price for your home if it is Temlok-insulated.

Made by the maker of Armstrong's Linoleum

TEMLOK

meets the high standard set for all Armstrong Products

AMONG the important reasons why Temlok is the logical choice of home builders seeking an economical and permanently efficient insulating material is the fact that Temlok is *made by Armstrong.* This company also makes fine linoleum floors, corkboard insulation, and other widely accepted products for home and industry. Since Temlok has behind it Armstrong's knowledge of insulating engineering and the company's high manufacturing standard, its dependability is assured.

In the manufacture of insulation, Armstrong's experience covers a long period of years. Since the turn of the century, Armstrong has been making and installing corkboard insulation for industrial and commercial plants—cold storage rooms and warehouses, dairy and ice cream plants, packing plants, and fur storages and for all types of buildings throughout the country.

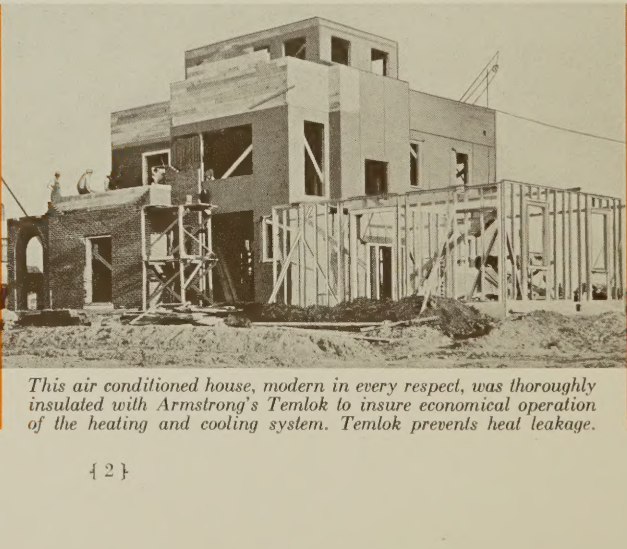
More than one billion board feet of Armstrong's Corkboard have been produced in Armstrong's factories. Thousands of industrial engineers and executives and architects, when they think of insulation, think of Armstrong. And this is becoming increasingly true of home owners as well.

For Temlok is Armstrong's answer to the need for an efficient, dependable insulating material, low enough in cost to make it practical for the less severe conditions encountered in homes, farm structures, and other general applications where insulation is desirable.

Temlok has all the essential properties that you would expect to find in an Armstrong insulating material.

Temlok Tested and Proved

Temlok was developed after years of research and experimentation. However, laboratory tests furnish only one yardstick by which to gauge the efficiency of an insulating material. Performance in actual service constitutes the real test of an insulation's efficiency. Temlok has been tested and proved in countless installations over the past five years. In choosing Temlok for your home, you are using a product made by one of the leaders in the insulation industry. In every respect Temlok measures up to the high standard of excellence and dependability set for all Armstrong products.



This air conditioned house, modern in every respect, was thoroughly insulated with Armstrong's Temlok to insure economical operation of the heating and cooling system. Temlok prevents heat leakage.

From the heartwood fibres of southern pine come the unique qualities of TEMLOK

Armstrong's
TEMLOK
from the heartwood of Southern pine

Armstrong's Temlok is fabricated from the heartwood fibres of the southern yellow pine. These fibres give it lasting efficiency.

TO bogs and swamps along the bleak coast of Maine—through matted jungles of the Amazon—the quest for a raw material which could be fabricated into an efficient low-cost insulation led Armstrong engineers more than a decade ago to many climes, many countries.

Fibres of countless materials were studied, made into boards, and tested for the insulating qualities that would insure lasting comfort and fuel saving. More than four long years were given to field and laboratory work. Then one day Armstrong's search was ended in Dixie. There, in Louisiana, Georgia, Alabama, and Florida are millions of acres of cut-over lands dotted with sturdy pine tree stumps which have been impregnated with resin by Nature. Great naval stores companies extract this resin for commercial purposes—but there is left a vast supply of heartwood fibres of the long-leaf southern yellow pine, still super-charged with resin.

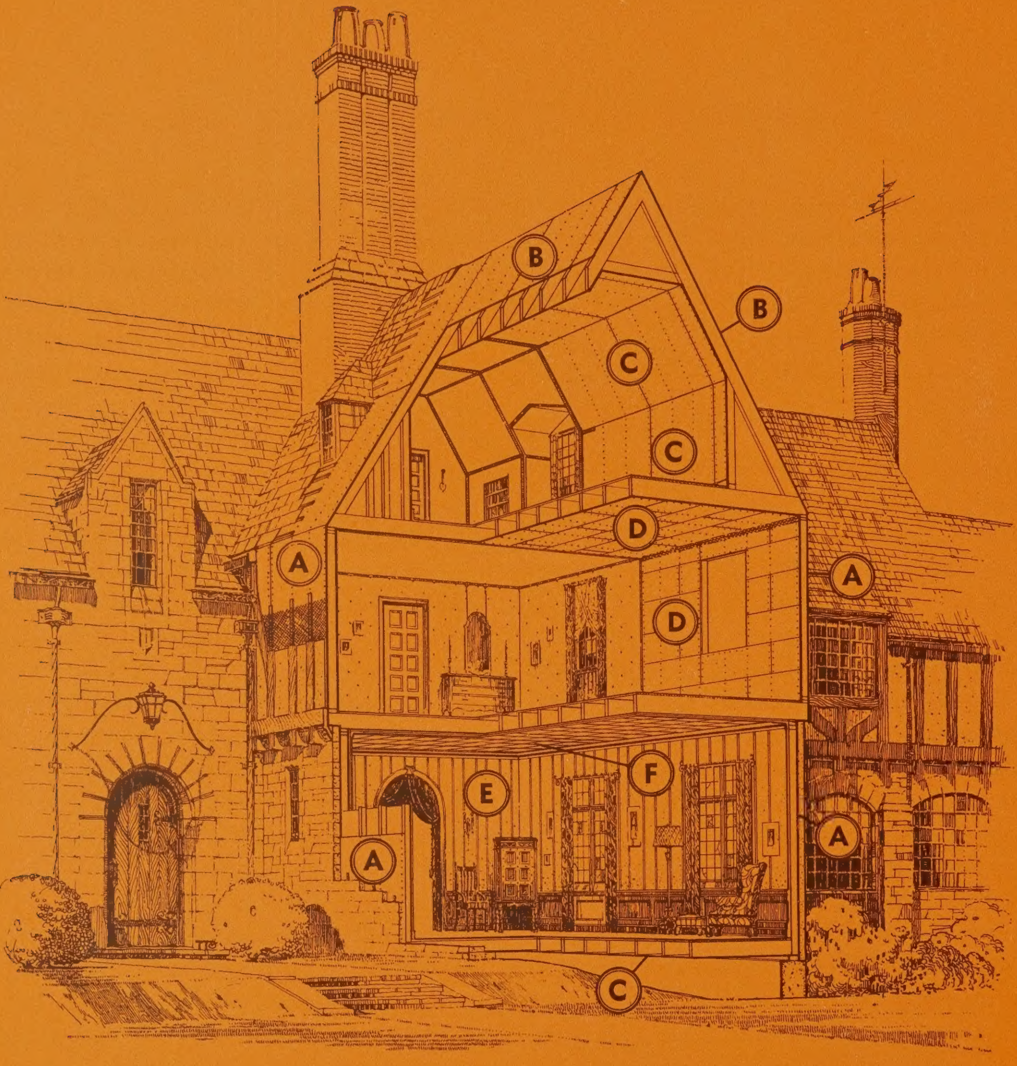
Why Moisture-Resistance Is Important

These heartwood fibres are fabricated into boards to form Temlok Insulation. The resin impregnation of the fibres gives to Temlok the high resistance to moisture necessary for an insulation that is to remain *lastingly efficient.*

Temlok's moisture-resistance is important because *moisture conducts heat rapidly.* Hence, an insulating material—no matter how efficient under laboratory tests of bone-dry material—which readily absorbs moisture becomes "short-circuited," and quickly loses much of its efficiency as a nonconductor of heat. Thanks to its ability to resist the deteriorating effect of the unseen moisture always present in the air, Temlok provides *continued* insulating efficiency—comfort and fuel savings for as long as the house stands.

Temlok Offers Many Advantages

Obviously, the primary requirement for an insulating material is efficiency in retarding the passage of heat. Temlok has the same ability to stop heat as a wall of concrete approximately two feet thick. In addition to insulating efficiency, however, Temlok offers other important advantages. Temlok is structurally strong and rigid; light in weight; does not promote mold or bacterial growth; is a good key for plaster; has a pleasing appearance; possesses acoustical properties; is uniform in quality; is easily sawed and nailed or cemented into place; and is reasonable in cost.



TYPICAL APPLICATIONS OF TEMLOK BUILDING INSULATION

(A) Temlok Insulating Boards used as sheathing; (B) Temlok Insulating Boards used on top of wood rafters; (C) Temlok applied directly to the underside of basement ceiling joists and used to line attic where the Temlok is paneled and provides a pleasing interior finish; (D) Temlok Insulating Lath applied to walls and ceiling as a base for plaster; (E) Temlok Beaded Planks applied to the walls to provide attractive interior decoration; (F) Temlok Insulating Tiles applied to the ceiling as an interior finish and to absorb sound.

TEMLOK

is ideal for use as a plaster base or as sheathing

THE architect's sketch on the opposite page illustrates some of the more important uses of Temlok for new homes and remodeling work. There are many ways in which to use Temlok in modern building construction. The following are typical applications:

(1) As sheathing and roof boarding—under wood siding, stucco, masonry veneer, shingles, or slate.

(2) As insulating lath—to receive interior plaster on walls, partitions, and ceilings. This application is practicable in both wood-frame and masonry-constructed buildings.

(3) As an attractive interior finish for walls and ceilings.

(4) As insulation alone—on top of or under wood roof sheathing; over exterior wall wood sheathing; or between rough and finished floors, as in the case of suspended sun parlor floors.

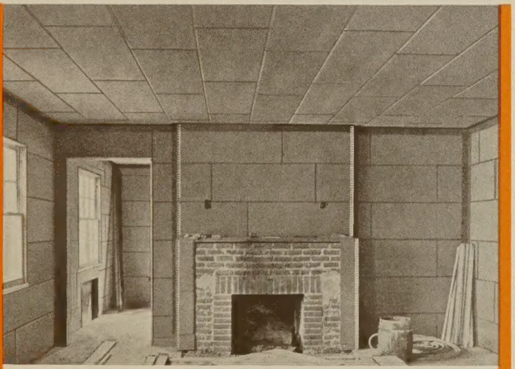
Temlok Sheathing Gives Extra Value

Armstrong's Temlok Insulating Board is made in full ½″ and full 1″ thicknesses. It is furnished in boards 4′ wide by 6′, 7′, 8′, 9′, 10′, and 12′ long. When used as sheathing, Temlok Insulating Board is applied in the same manner as ordinary wood sheathing. However, Temlok does much more than merely replace wood sheathing—for it *insulates against heat and cold.* Thus it insures comfort, cuts fuel bills.

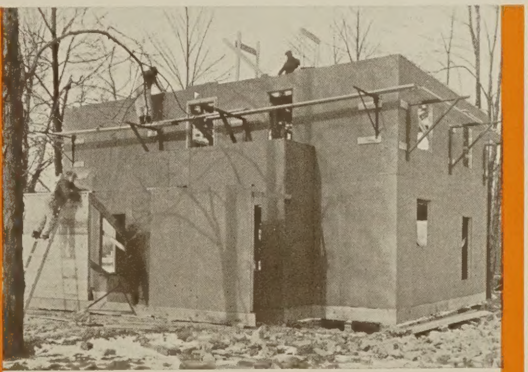
Any type of exterior finish—wood, shingles, stucco, brick or stone veneer—can be applied over the Temlok. Because it is structurally strong and rigid, Temlok adds strength to any structure in addition to providing high insulating value.

Temlok Lath Grips Plaster Firmly

Temlok Insulating Lath, for use as plaster base, is supplied in boards 18″ wide by 48″ long, with grooved edges on four sides and ship-lapped long edges. It is made in three solid thicknesses—½″, 1″, and 1½″. Temlok provides an ideal plaster base, gripping plaster firmly and forming a permanent bond. Temlok guards plaster against the unsightly cracks which disfigure the finished appearance of the interior of a residence and unsightly lath marks are eliminated. Temlok replaces the lath ordi-



Temlok Insulating Lath provides an ideal plaster base, gripping plaster firmly. And it guards against the unsightly cracks that disfigure the interior of a home.



Applied as sheathing, Temlok adds strength to the wall structure. Reductions in fuel costs, as compared with uninsulated homes, average twenty-five per cent.

narily used, but here again it does much more—*for Temlok insulates.*

In the installation of Temlok Insulating Lath, all vertical joints are staggered so that a continuous insulation surface is provided. Therefore since Temlok is not fitted between joists and studding, cold spots and condensation of moisture where such cold spots occur are prevented. Continuous insulation, properly installed, eliminates the necessity for frequent cleaning and redecoration of wall and ceiling surfaces, a difficulty often encountered when wooden lath is used.

Experience of Armstrong insulation engineers has shown that continuous insulation gives better results and reduces to a minimum variables due to workmanship.

Temlok Is Easily Applied

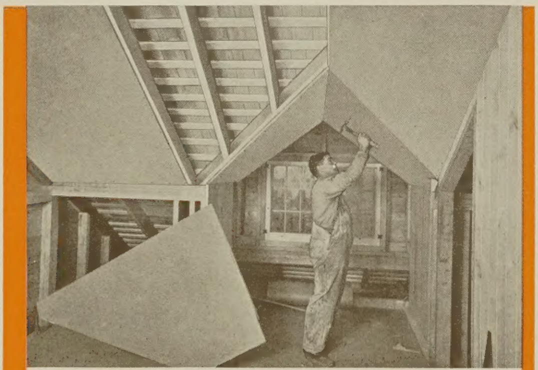
Furnished in rigid boards, Temlok is easily sawed and nailed into place to provide continuous insulation. Its surface is not broken by studding, furring, joists, or rafters. In addition, because it is made in a rigid board, Temlok possesses ample structural strength for every requirement. It will not settle or pack, leaving unprotected areas where heat leakage can occur. Because it is moisture-resistant, it will not deteriorate in insulating efficiency.

Adequate Insulation Recommended

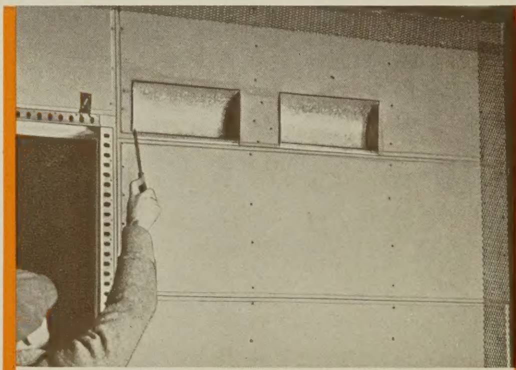
Use of 1″ or 1½″ thicknesses is desirable wherever possible. Tests prove that an *adequate* thickness of insulation is much more economical and more efficient than thin insulators. Because of its lighter density, thick insulation has higher insulating efficiency than thin material. Half-inch insulation, for example, must be relatively dense in order to provide sufficient structural strength. Therefore Temlok, in 1″ and 1½″ thicknesses, not only possesses ample structural strength for every building use, but also has a higher resistance to heat passage. Since the cost of applying the greater thicknesses is only slightly more than the cost of applying half-inch material, it is obvious that it is true economy to install adequate insulation.

Sold by Retail Lumber Dealers

Temlok Insulating Board and Temlok Insulating Lath are fabricated from the same basic raw material—the heartwood fibres of the southern yellow pine—and possess those important qualities which insure permanent comfort and fuel savings. In whatever form you use Temlok, you can be sure that it will give you extra value for your building dollars. Your local lumber dealer will be glad to give you an estimate on the exact cost of Temlok.



Furnished in rigid boards, Temlok is easily cut and nailed in place to provide continuous insulation. It possesses ample structural strength for every requirement.



Air conditioning ducts are shown in the above photo. Temlok Insulating Lath on walls and ceiling makes it easier to maintain required temperatures winter and summer.

As an interior finish

TEMLOK

combines decoration and insulating efficiency

Temlok Interior Finishes are suitable for both new building and remodeling work. Temlok Beaded Planks, Panels, and Tiles permit a wide range of pleasing decorative effects.

IN addition to boards for use as sheathing and as lath, Temlok is available also in a variety of forms especially suitable for interior finish in both new building and remodeling work. Temlok Interior Finishes combine the important advantages of decoration, structural strength, and high insulating value.

As decorative wall and ceiling treatments, Temlok Interior Finishes permit almost unlimited freedom in achieving original and pleasing effects. The natural golden buff color and tapestry texture of Temlok are effective when used as an allover finish in conjunction with wood trim or wainscoting.

Temlok Insulating Tiles, Panels, and Beaded Planks are furnished in natural finish and in golden oak, cedar, and slate tints. The tints are obtained by means of faint color stains which are not faded by sunlight. While the tints offer a pleasing contrast, when used in combination, the colors are so faint that they can be used with any interior color scheme desired.

Joints Are Decorative

Temlok Insulating Board, readily available from dealers' standard stock, can be sawed and beveled into practically any pattern. It can be decorated easily on the job with a beveling tool that is readily available. It is ideal for covering unsightly areas quickly and at small cost. The ease of application makes possible an extremely economical decorative treatment.

Temlok Insulating Panels and Tiles are furnished in convenient sizes and with bevels that permit a decorative use of joints. Temlok Insulating Planks are furnished with a bead on both long edges and are ship-lapped. Temlok Battens, Border Strips, and Moldings are available for use with Temlok Interior Finishes.

Interesting Effects

Where regular or random planking effect is desired for interior finish, Temlok Beaded Planks offer an interesting solution. They are furnished in planks, 6″, 8″, 10″, 12″, and

16″ wide by 6′, 8′, and 10′ long in both solid ½″ and 1″ thicknesses.

Temlok Insulating Panels and Tiles can be used to secure a wide range of pleasing and unusual decorative patterns for ceiling treatment. All tiles are beveled on all four sides. Temlok Insulating Panels, furnished in larger sizes than the tiles, also are beveled and are ship-lapped along the long edges. Temlok Tiles are available in sizes ranging from 6″ x 6″ to 24″ x 24″; Panels from 16″ x 32″ to 24″ x 48″. Both Tiles and Panels are made in ½″ and 1″ thicknesses. Standard or sanded surface can be supplied.

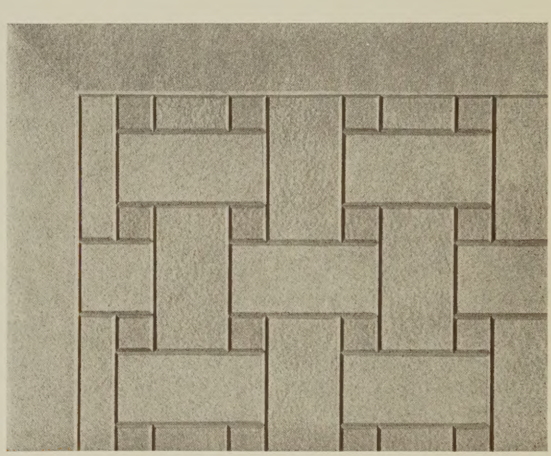
Practical and Inexpensive

Whether employed over old plaster and other unsightly surfaces, an application easily accomplished, or in the construction of new buildings, Temlok Interior Finishes meet the demand for structural wall and ceiling materials that have richness and individuality, are practical and easy to erect, yet are available at low cost. Because of Temlok's insulating efficiency, they make possible, as well, greater indoor comfort and reduced fuel bills.

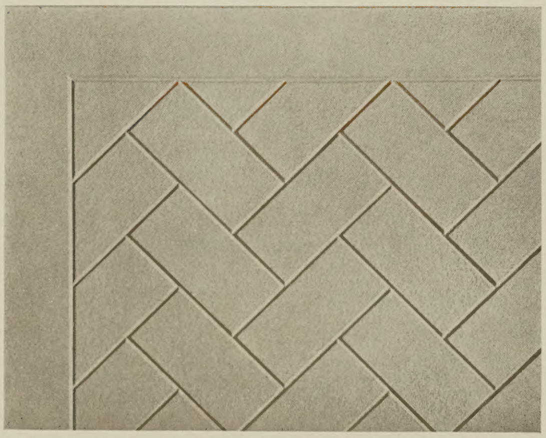
Some decorative effects easily secured with

TEMLOK INTERIOR FINISHES

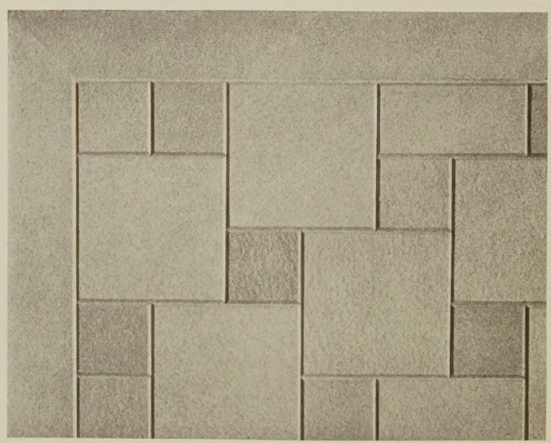
Temlok Interior Finishes have richness and individuality, yet they are available at low cost. They offer all the advantages of a structural wall and ceiling material for new construction and for inexpensive remodeling to cover old plaster and all unsightly surfaces.



An interesting basketweave design may be secured by laying up Temlok Insulating Tiles. Use of stained tiles for the small squares adds to the decorative effect.



This attractive herringbone pattern is easily developed, with either Temlok Insulating Panels or the smaller Tiles. Temlok Border Strips, Battens, and Moldings also are available.



Another interesting pattern secured by using a combination of 12″ x 12″ and 6″ x 6″ Temlok Insulating Tiles. Tiles, Panels, and Beaded Planks are furnished in variegated colors.

TEMLOK

also absorbs sound and makes rooms quieter

Temlok Interior Finishes also possess valuable sound absorption properties. Noise is quieted when Temlok is applied on walls and ceilings. Temlok is ideal for broadcasting rooms, grills, and offices, as well as residences.

BECAUSE of the physical structure and texture of Armstrong's Temlok, it offers another important advantage, in addition to insulation and decoration. This advantage is noise-quieting. Temlok has valuable sound absorption properties. Thus it insures greater quiet wherever it is used.

When sound waves strike a smooth plaster wall of sufficient rigidity, 97% of the sound is reflected back into the room, setting up reverberations and causing annoyance. By using a sound absorbent material on walls and ceilings this noise can be hushed.

When applied as an interior finish Temlok actually performs a triple function. It absorbs sound, it decorates, and it insulates. When the noise level is reduced in a room by the use of an absorptive material, obviously less sound remains to be transmitted to adjoining rooms and adjacent floors. Temlok's ability to absorb sound makes it especially suitable for use in restaurants, libraries, schools, offices, and similar buildings, as well as in dens, recreation rooms, and living-rooms in the home.

Noise-quieting can be secured by installing Temlok Insulating Board, Tiles, Panels, or Planks over old finishes.

Reduces Sound Transmission

Temlok can be used effectively to reduce transmission of sound in duplex houses, apartments, and from one room to another. For this purpose Temlok often is installed between the sub-floor and the finished floor and as insulating lath on the walls.

If you live on a farm

TEMLOK

has many other profitable uses

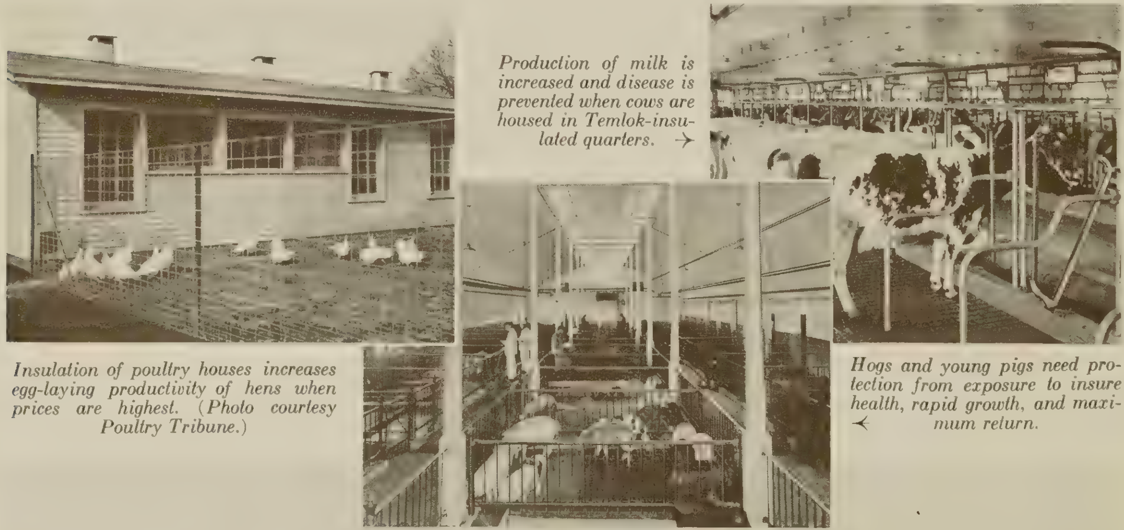
TEMLOK provides an ideal low-cost insulating material for dairy barns, hog and poultry houses, fruit and vegetable rooms, milk houses, and other farm structures.

You'll find that Temlok-insulated dairy barns provide greater comfort for cows, reduce feed consumption, help prevent disease, and increase milk productivity.

Used to insulate hog houses, Temlok protects animals from exposure and helps insure health and rapid growth of newly farrowed pigs. Insulation of hog houses permits earlier farrowing, enabling farmers to take advantage of top prices for pork.

Since insulation provides more uniform temperatures in summer and winter, lining of poultry houses with Temlok increases the egg-laying productivity of hens at the periods when egg prices are highest.

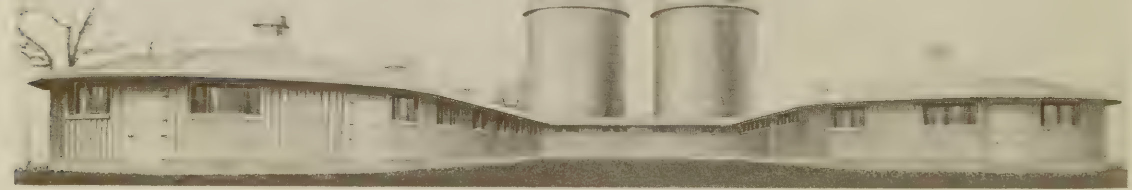
There are many other ways in which Temlok will make your farm operations more profitable. Farm homes, too, since they usually are located in open country, need the extra protection afforded by Temlok.



Production of milk is increased and disease is prevented when cows are housed in Temlok-insulated quarters. →

Insulation of poultry houses increases egg-laying productivity of hens when prices are highest. (Photo courtesy Poultry Tribune.)

Hogs and young pigs need protection from exposure to insure health, rapid growth, and maximum return. ←

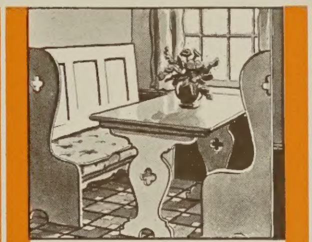


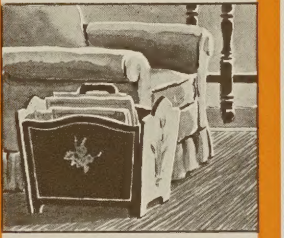
Dairy barns and many other farm structures should be insulated with Temlok to promote health of livestock and increase farm profits. (Photo courtesy James Manufacturing Company.)

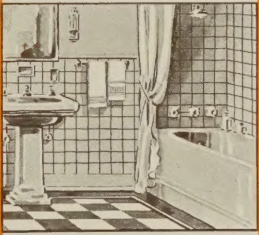
ARMSTRONG'S
HARD AND SEMI-HARD BOARDS

offer many practical advantages

IN addition to Temlok Building Insulation and Interior Finishes, Armstrong offers a complete line of hard and semi-hard boards suitable for a variety of structural and decorative uses. These boards are all-wood and contain no binder. Hydraulically pressed into rigid, grainless boards, they are easily worked with ordinary on-the-job equipment. All of the boards have hard smooth surfaces that hold oil paint, enamel, lacquer, varnish, or stain equally as well as metal or wood.


Temwood breakfast nook.


Temwood magazine rack.


Temwood Tile in bathroom.

Temwood

Temwood is a light-weight all-round utility board. It is ideal for built-in home equipment, as well as an interior paneling in new construction and remodeling work. Rich brown in color, Temwood harmonizes interestingly with any of the Temlok Interior Finishes either as wainscoting or in conjunction with wainscoting of another material.

Temwood is made in boards 1/10″ thick, 4′ wide and 6′ and 12′ long; 1/8″ and 3/16″ thick, 4′ wide, and 6′, 8′, 9′, 10′ and 12′ long; and in boards 1/4″ and 5/16″ thick, 4′ wide and 12′ long only.

Temboard

Designed primarily to replace old-style wallboards, Temboard is a decorative board with extra strength and rigidity. It is available in boards 1/4″ thick, 4′ wide, and 6′, 8′, 9′, 10′ and 12′ long.

Handled exactly like wood, the big boards are economical to buy and economical to erect. Temboard is highly resistant to moisture and will not shrink, crack, warp, split, swell, or curl under normal conditions. Its dense surface is not easily marred and provides a wall of great beauty and warmth.

Similar to Temboard, but of slightly less thickness and greater weight, strength, rigidity, and density is Temboard De Luxe. It is also more highly resistant to moisture, and hence especially suitable for exterior work.

Temwood Tile

Temwood Tile provides the decorative effects and practical advantages of an expensive tile wall at small cost. This attractive, washable wall finish faithfully reproduces the effect of 4″ x 4″ tile, and may be decorated as desired. Temwood Tile is ideal for kitchens and bathrooms.

THE ARMSTRONG LINE

Building Materials Division Products

- Armstrong's Temlok Insulating Board
  - Temlok Insulating Lath
  - Acoustical Temlok
  - Temlok Insulating Panels
  - Temlok Insulating Tiles
  - Temlok Beaded Planks
  - Temlok Battens, Border Strips, and Moldings
  - Temlok Roof Insulation
  - Temlok Refrigerator and Equipment Insulation
  - Temboard, Temboard De Luxe, Temwood, Tempered Temwood, Temwood Tile
  - Standard Corkboard
  - LK Corkboard
  - Super-Service Corkboard
  - Mastic Finish Corkboard
  - Cork Covering and Fitting Covers
  - Vibracork
  - Cork Brick
  - Granulated and Regranulated Cork
  - Waterproof Cements, Paints, Asphalt Emulsion Finishes, etc.
  - Armstrong's, Nonpareil, and EF Insulating Brick
  - Linotile, Cork Tile, Accotile, and Rubber Tile
  - Cove and Base—Metal Back, Linotile, Cork Tile, and Rubber Tile
  - Corkoustic
  - Linowall—Wall Covering
  - Linowall Paste
  - Linowall Tools and Equipment

Floor Division Products

- Armstrong's Linoleum: Plain, Jaspé, Inlaid, Embossed, and Printed
  - Inlaid Linoflor
  - Cork Carpet
  - Quaker Rugs and Floor Covering
  - Standard Rugs and Floor Covering
  - Lining Felt, Linoleum Paste, and Waterproof Cement
  - Linogloss Wax and Linoleum Lacquer
  - Floor Cleaner
  - Linoleum Tools and Equipment

Corkwood Division Products

- Corkwood
- Grinding Cork

Textile Division Products

- Armstrong's Seamless Cork Cots
  - Helically Wrapped Cork Cots
  - Worsted Roll Covers
  - Throwster Roll Covers
  - Loom Accessories—Take-up Roll Covering, Brake Band Strips and Friction Let-offs, Clutch Plates, Cork Inserts, and Temple Rolls
  - Roll Covering and Buffing Machinery
  - Roll Covering Cement
  - Miscellaneous Mill Supplies

Closure Division Products

- Armstrong's Corks, all kinds
  - Crowns: Plain and Decorated
  - Artmold Caps and Jar Covers
  - Metal Caps and Jar Covers
  - Embossed-Top Corks
  - Metal-Top Corks
  - Vacu-Vent Caps
  - Cel-O-Seal Caps and Bands
  - Shoe Daubers
  - Rubber Stoppers
  - Cork Discs and Liners
  - Ribbon Cork
  - Bungs

Shoe Products Division Products

- Armstrong's Cork Box Toes
  - Thermabox Toes
  - Cork Bottom Filler
  - Cork Counters
  - Cork Lifts, Korxole, and Linosole
  - Metatarsal Pads
  - Heel Pads
  - Insoles
  - Sheet Cork
  - Sundry Shoe Findings
  - Bottom Filler Heaters
  - Box Toe Heaters

Industrial Division Products

- Armstrong's Natural and Composition Cork Sheets, Strips, Balls, and Blocks
  - Cork Bulletin Board
  - Cork Floats
  - Oil Retainers
  - Rings and Washers
  - Friction Blocks
  - Polishing Wheels
  - Split Cork
  - Ribbon Cork
  - Penholder Tips
  - Accopac
  - Corkolin
  - Corkfabric
  - Corklastic
  - Fibrelastic
  - Cork Gaskets
  - Cork Gasket Sheets
  - Cork Paper for Cigarette Tips
  - AutoMat
  - Felt Flooring and Roofing
  - Industrial Felt
  - Cork Ring Buoys
  - Cork Life Preservers
  - Seine, Mullet, and Gill Corks
  - Cork Fenders
  - Carboy Blocks
  - Asphalt Emulsions
  - Typewriter Roll Covering
  - Linoleum and Other Floor Products for desk, counter, and table tops and various manufacturing uses other than floor.
  - Miscellaneous: Cork, Rubber, and Felt Products for mechanical and industrial applications.

PRINTED IN UNITED STATES OF AMERIC

Armstrong's
TEMLOK

ARMSTRONG CORK PRODUCTS CO.

Building Materials Division

Lancaster, Pennsylvania

BRANCH OFFICES

ALBANY
1-3 Thacher Street

ATLANTA
107 Cone Street

BOSTON
286 Congress Street

BUFFALO
329-31 Ellicott Street

CHARLOTTE
918 Johnston Building

CHICAGO
111 N. Canal Street

CINCINNATI
232 West Seventh Street

CLEVELAND
1825 East 18th Street

DALLAS
708 Santa Fe Building

DETROIT
1627 W. Fort Street

HOUSTON
903 Marine Bank Building

JACKSONVILLE
405 Barnett National Bank
Building

KANSAS CITY
1535 Walnut Street

LOUISVILLE
1101 Washington Bldg.

MILWAUKEE
1011 Majestic Building

MINNEAPOLIS
316-20 Third Avenue, North

OMAHA
109 South Tenth Street

NEW YORK
295 Fifth Avenue

PENSACOLA
Armstrong-Newport Company

PHILADELPHIA
260 South Broad Street

PITTSBURGH
24th Street and Allegheny River

ROCHESTER
1 Mt. Hope Avenue

ST. LOUIS
204 South Third Street

ARMSTRONG
A
CORK